#### **FORM PTO-1449**



### LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

249/163

SERIAL NO. Not Yet Assigned

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**APPLICANT:** 

David Freundlich, et al. **FILING DATE:** 

November 28, 2000

**GROUP:** Not yet Assigned

(Use several sheets if necessary)

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|                     |    |                 | OC-53858.1 | U.S. PATENT DOCUMENTS |       |              |                |
| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE       | NAME                  | CLASS | SUB<br>CLASS | FILING<br>DATE |
| FHD                 | AA | 4,549,533       | 10/29/85   | Cain, et al.          |       |              |                |
|                     | AB | 4,858,597       | 8/22/89    | Kurtze, et al.        |       |              |                |
|                     | AC | 4,888,746       | 12/19/89   | Wurster, et al.       |       |              |                |
|                     | AD | 4,865,042       | 9/12/89    | Umemura, et al.       | _     | <u>`</u>     |                |
|                     | AE | 5,247,935       | 9/28/93    | Cline, et al.         |       | _            |                |
|                     | AF | 5,275,165       | 1/4/94     | Ettinger, et al.      | _     | _            |                |
|                     | AG | 5,291,890       | 3/8/94     | Cline, et al.         | Ç==== | _            |                |
|                     | АН | 5,307,812       | 5/3/94     | Hardy, et al.         |       | _            |                |
|                     | AI | 5,323,779       | 6/28/94    | Hardy, et al.         |       |              |                |
|                     | AJ | 5,327,884       | 7/12/94    | Hardy, et al.         |       | _            |                |
|                     | AK | 5,368,031       | 11/29/94   | Cline, et al.         |       | _            |                |
|                     | AL | 5,368,032       | 11/29/94   | Cline, et al.         |       | _            |                |

|                     |                 | FOREIGN | N PATENT DOCUMENTS |       |              |               |              |
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| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | COUNTRY            | CLASS | SUB<br>CLASS | TRANSI<br>YES | LATION<br>NO |

|   |         |                 | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)   |
|---|---------|-----------------|--|
| F | FHD AM- |                 | Charles A. Cain, et al., "Concentric-Ring and Sector-Vortex Phased-Array Applicators for Ultrasound Hyperthermia", IEEE Transactions on Microwave Theory and Techniques, MTT-34, pp. 542-551, 1986                                       |
|   |         | <sub>AN</sub> < | Todd Fjield, et al., "The Combined Concentric-Ring and Sector-Vortex Phased Array for MRI Guided Ultrasound Surgery", IEEE Transactions on Ultrasonics, Ferroelectircs and Frequency Control, Vol. 44, No. 5, pp. 1157-1167, Sept. 1997. |
|   |         | AO              | Nathan McDannold, et al., "MRI Evaluation of Thermal Ablation of Tumors and Focused Ultrasound", JMRI Vol. 8, No. 1, pp. 91-100, Jan/Feb. 1998.  |
|   |         | AP -            | Kullervo Hynynen et al., "Principles of MR-Guided Focused Ultrasound", Chapter 25, pp. 237-243,  |
|   |         | AQ -            | Harvey E. Cline, Ph.D., et al., "Focused US System for MR Imaging-Guide Tumor Ablation", Radiology Vol. 194, No. 3, pp. 731-738, March 1995  |

| <b>EXAMINER:</b> |      |    |         | DATE CONSIDERED: | 0 1 - 1 |
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| Not yet assigned | Fadi | H. | Dahbour |                  | 9/12/02 |

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#### FORM PTO-1449

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|                     |    |                 | U.S. P   | PATENT DOCUMENTS   |       |              |                      |
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| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME               | CLASS | SUB<br>CLASS | FILING<br>DATE       |
| FHD                 | AR | 5,443,068       | 8/22/95  | Cline, et al.      |       | _            |                      |
|                     | AS | 5,490,840       | 2/13/96  | Uzgiris, et al.    |       |              |                      |
|                     | AT | 5,507,790       | 4/16/96  | Weiss              |       | _            |                      |
| l                   | AU | 5,520,188       | 5/28/96  | Hennige, et al.    |       |              |                      |
|                     | AV | 5,526,814       | 6/18/96  | Cline, et al.      |       | _            |                      |
|                     | AW | 5,573,497       | 11/12/96 | Chapelon           | ~     |              |                      |
|                     | AX | 5,590,657       | 1/7/97   | Cain, et al.       |       | -            |                      |
|                     | AY | 5,665,054       | 9/9/97   | Dory               | ·——   |              |                      |
|                     | AZ | 5,711,300       | 1/27/98  | Schneider, et al.  |       |              |                      |
|                     | BA | 5,743,863       | 4/28/98  | Chapelon           |       | <u> </u>     |                      |
|                     | ВВ | 5,769,790       | 6/23/98  | Watkins, et al.    |       |              |                      |
| <b>V</b> .          | ВС | 5,873,845       | 2/23/99  | Cline, et al.      |       |              |                      |
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| EXAMINER: Not yet assigned Fad; H. Dahbour               | DATE CONSIDERED: 9/12/02                             |
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| Application Number     | 09/724,670        |  |  |  |  |  |
| Filing Date            | November 28, 2000 |  |  |  |  |  |
| First Named Inventor   | David Freundlich  |  |  |  |  |  |
| Group Art Unit         | 3764              |  |  |  |  |  |
| Examiner Name          | Not Yet Assigned  |  |  |  |  |  |
| Attorney Docket Number | 249/163           |  |  |  |  |  |

|                        | U.S. PATENT DOCUMENTS |  |                               |                              |  |  |  |  |  |  |  |  |
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|                        |                       | U.S. Patent Document                     | Name of Patentee or Applicant | Date of Publication of       | Pages, Columns, Lines, Where Relevant  |  |  |  |  |  |  |  |
| Examiner<br>Initials * | Cite<br>No.1          | Number Kind Code <sup>2</sup> (if known) | of Cited Document             | Cited Document<br>MM-DD-YYYY | Passages or Relevant<br>Figures Appear |  |  |  |  |  |  |  |
| FMA                    | AA                    | 6,128,522                                | David E. Acker, et al.        | 2000-10-03                   |  |  |  |  |  |  |  |  |
| FHD                    | AB                    | 5,722,411                                | Takuji Suzuki, et al.         | 1998-03-03                   |  |  |  |  |  |  |  |  |
| FHD                    | AC                    | 5,485,839                                | Satoshi Aida, et al.          | 1996-01-23                   |  |  |  |  |  |  |  |  |
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|                       | FOREIGN PATENT DOCUMENTS |  |                     |                                      |                                   |   |                        |                |  |  |  |  |
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| C                     |                          | For  | eign Patent Do      | ocument                              | Name of Patentee D                | Date of Publication of  | Pages, Columns, Lines, |                |  |  |  |  |
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Office <sup>3</sup>                              | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) | or Applicant of<br>Cited Document | Cited Document MM-DD-YYYY MM-DD-YYYY MM-DD-YYYY MM-DD-YYYY Myere Relevant Passages or Releva Figures Appear |                        | T <sub>β</sub> |  |  |  |  |
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| Examiner<br>Signature | Fadi | н. | Dahbour | Date<br>Considered | 9/12/02 |

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark hee if English language Translation is attached.